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[ABSTRACT]

In a method for coating a phosphor or a scintillator layer onto a flexible substrate, within a sealed zone maintained under vacuum conditions, by the step of vapor deposition, said phosphor or scintillator layer is, continuously or discontinuously, deposited onto said substrate, and said substrate is deformed at least before, during or after said step of vapor deposition, in order to provide the manufacturer, by a process of exceptionnally high yield, with large deposited phosphor or a scintillator sheets having constant speed and image quality properties, further offering availability of all formats as desired for screens, plates or panels ready-for-use in a scanning apparatus in computed radiography, screen/film radiography and direct radiography.

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Fig.1

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